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United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA2454WE

This certificate, issued to Madras Air Service

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations, (see Aircraft Specification A-799)

Original Product — Type Certificate Number: A-799
Make: CESSNA
Model: 170A and 170B (Normal Category)

Description of Type Design Change:

Installation of Madras Air Service Wing Tips in accordance with Drawing No. 102, Sheet 1, Revision A, dated 12 October 1972, and Sheet 2, Revision B, dated 11 July 1972.

Madras Air Service FAA Approved AFM Supplement dated 21 February 1973 is required.

LIMITATIONS AND CONDITIONS:

This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated unless it is ~~XXXXXXXXXXXXXXXXXXXX~~ determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.

Supplemental Type Certificate Addendum No. SA2454WE limits the airspeeds and is a portion of this Certificate. A copy of this Certificate and Addendum shall be maintained as part of the modified aircraft's permanent records.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: 1 June 1970

Date reissued:

Date of issuance: 9 December 1971

Date amended: 16 August 72 21 FEB 1973

By direction of the Administrator



(Signature)

Acting Chief Engineering & Manufacturing Branch
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

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Supplemental Type Certificate

(Continuation Sheet)

STC SA2454WE
CESSNA Models
170A, 170B*Number* SA2454WESUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2454WE

The conditions and limitations of Aircraft Specification No. A-799 apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA2454WE, prescribes conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air regulations. A copy of this Addendum shall be maintained as part of the modified aircraft permanent records.

Supplemental Type Certificate Holder: MADRAS AIR SERVICE

I: - Model 170

Not approved for modification by this STC.

II & III: Models 170A and 170B

<u>Airspeed Limits*</u>	<u>(Landplane)**</u>
Maneuvering	109 MPH (95 Knots)
Maximum Structural Cruising	133 MPH (115 Knots)
Never Exceed	152 MPH (132 Knots)

NOTE 1. Current Weight and Balance Report including list of equipment included in certificated empty weight, and loading instructions when necessary, must be in each aircraft at the time of original certification and all times thereafter. Refer to Aircraft Specification No. A-799, Note 1 for unusable fuel quantities.

The Weight and Balance Report must be revised as follows at the time of Modification:

Weight of "Super Tips" 9.5 lb. total; deduct weight of the tips being removed and add the difference to the aircraft empty weight. The moment change is negligible.

*These Airspeed Limitations may be used in lieu of gross weight reductions imposed by the original STC and Addendum dated 9 December 1971.

** Seaplanes modified by STC SA2454WE use Specification No. A-799 Airspeeds.

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